



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Advisory Council

November 10, 2020

WUAC Meeting Materials and Access Information

https://www.michigan.gov/egle/0,9429,7-135-3313_3684_64633-543075-_,00.html

1. Welcome

WUAC Chair Order for 10/20

- Laura Campbell, Manager (Items 1-6)
Agricultural Ecology Department
Michigan Farm Bureau
- Brian Eggers, (Item 7-8)
AKT Peerless
- Bryan Burroughs, Executive Director (Items 9-13)
Michigan Trout Unlimited

Co-Chair Laura Campbell

Agenda Items 1-6

Water Use Advisory Council (WUAC) Meeting

Tuesday, November 10, 2020

1:00 p.m.-3:00 p.m.

On Teams Hosted by the Department of Environment, Great Lakes, and Energy (EGLE)

[Join Microsoft Teams Meeting](#)



[+1 248-509-0316](#) United States, Pontiac (Toll)

Conference ID: 906 806 631#

AGENDA

1. Welcome
2. Roll Call
3. Approval of Agenda-Roll Call Vote
4. Approval of Minutes-Roll Call Vote
5. Public Comment
6. Final Edits for Legislative Report
7. Process and Timeline for Completing 2020 Legislative Report
8. Depleted Water Management Areas -Continued Discussion from August Meeting
9. Program Updates
10. Water Conservation Committee
11. Next Meeting
12. Open Comments
13. Motion to Adjourn

2. Roll Call

3. Approval of Agenda –Roll Call Vote

4. Approval of Minutes—Roll Call Vote

5. Public Comment

6. Final Edits for Legislative Report

6. Final Edits for Legislative Report

Several suggestions were made throughout the document to remove committee names and indicate that recommendations come from and work will be done by the Water Use Advisory Council.

Do people want that change, or are there instances in which it would be more beneficial to specify which committees will do which work?

6. Final Edits for Legislative Report

Page 2 and Page 19: Do CMI and the Renew Michigan program end their funding at the end of FY 2021 or 2022? Currently 2022 is listed but confirmation is needed.

6. Final Edits for Legislative Report

The language of the Water Conservation Committee's recommendations on pages 8-14 have been replaced entirely with new documents sent after their follow-up meetings with WUAC members. The replacements are very similar to the originals.

The Conservation Committee will identify and explain their changes.

6. Final Edits for Legislative Report

Page 18: For additional clarity, the following language was amended:

“It must be emphasized some of the data entry to Wellogic is the responsibility of the applicant to submit the correct data in a timely fashion. ~~This~~ The applicant’s portion of data submission is not the driller’s responsibility and much of this data entry for high-capacity wells has evolved and the applicant needs to know it is their responsibility.”

Does this provide clarity without changing the intent?

Co-Chair Brian Eggers

Agenda Items 7-8

7. Process and Timeline for Completing 2020 Legislative Report

- **Report will be sent electronically in December 2020 to Legislature**
- **Request to present to new legislators will be made in January 2021**



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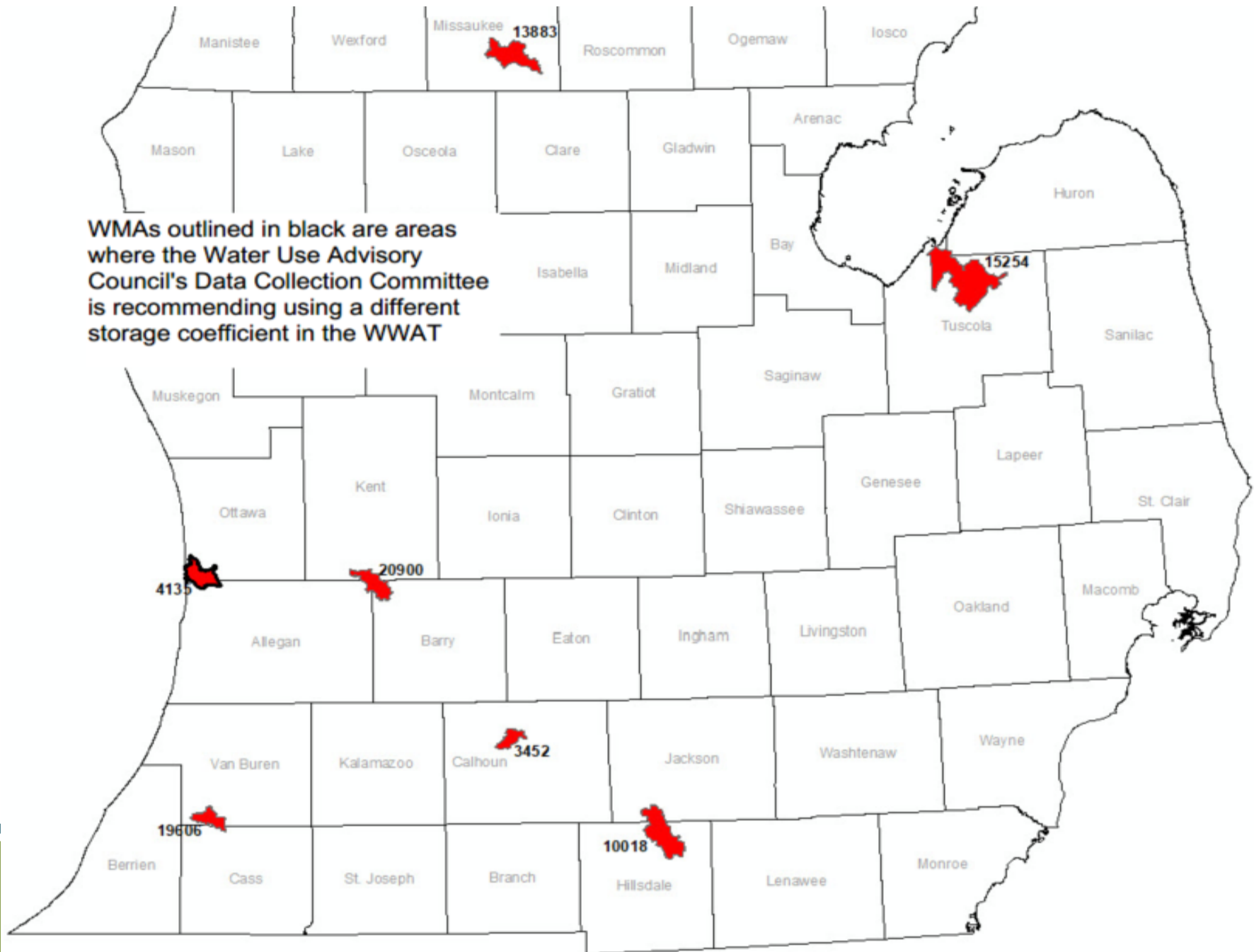
8. Depleted Water Management Areas Update

Dave Hamilton, Jim Milne, Hannah Arnett
Water Use Advisory Council
November 10, 2020

Outline

- Summarize Discussion
- Revised Map & Table of Zone D WMAs
- Map & Table of Zone B Cold-Transitional & Zone C WMAs with ≥ 8 SSRs

WMAs outlined in black are areas where the Water Use Advisory Council's Data Collection Committee is recommending using a different storage coefficient in the WWAT



Depleted Watersheds as of 11/2/2020

Name	Number	County	Type	Index Flow (gpm)	Allowable Depletions	Current WMA Status	Comments/Next Steps
South Branch Kalamazoo River	10018	Hillsdale/Jackson	Cool Stream	1,930	482	-371	The tool previously gave bedrock auto pass to wells that are not confined; miscellaneous streamflow measurements were taken during 2020 to evaluate current conditions.
Osborn Drain (USGS Station #: 041015313)	19606	Van Buren/Cass	Cold transitional stream	1,571	63	-102	Multiple violations in this WMA, which are currently being addressing through after-the-fact registrations (pending SSR) and decreasing withdrawals. If the aquifer property data from the Cass County Study is applied to the wells in this WMA the WMA will be depleted more.
Dickinson Creek (USGS Station #: 041035285)	3452	Calhoun	Cold transitional stream	898	39	-58	The tool previously gave bedrock auto pass to wells that are not confined; a gage has been installed to monitor the WMA. Two SSRs have recently been requested by a new property owner for previously unregistered wells (6151-201206-51 and 6152-202006-38); EGLE recently received a workplan, which is currently under review. Additionally, this WMA contains an unregistered irrigation well on tribal land, which is depleting the WMA an estimated 8 gpm, which is not currently accounted for.
Macatwa River	4135	Ottawa/Allegan	Warm Small River	5,386	916	-70	SSR for temporary dewatering project expected to be completed in 2020 (debiting 29 gpm), compliance issues for one farm, and index flow review came back lower than expected. Working with owner/pump installer of the compliance issue to verify the capacities of the pumps installed in horizontal wells.
Wiscoggin Drain*	15254	Tuscola	Warm Stream	0	98	-62	WMA under influence of high Great Lake water levels. Index flow found to be 0 cfs. Prior to index flow review, two registrations were auto-passed by the WWAT. Waiting on owner to verify that wells were installed. WUAU and Hydrologic Study staff met to discuss WMAs with high Great Lake levels. Hydrologic Study staff is working on a proposal to revise index flow review which are impacted by high Great Lakes water levels.
Butterfield Creek	13883	Missaukee	Cold transitional stream	6,732	269	-26	An error was made when trying to reset zone cut offs per Section 32706(e), the WMA's zone cut offs was reset to the top of Zone B in error.
Duncan Creek	20900	Kent, Barry, Allegan	Warm Stream	485	140	-14	Revised Index flow came back signification less than that used by the tool.

WMAs that are impacted by the Bedrock Auto Pass Engagement

WMAs that are impacted by open Violations

WMAs outlined in black are areas where the Water Use Advisory Council's Data Collection Committee is recommending using a different storage coefficient in the WWAT.

Allowable depletions were calculated by multiplying the index flow by the present allowable depletion for the stream classification

Current WMA Status were calculated to exclude pending SSR depletions, unless they are for after the fact registrations

* Index Flow based on the WWAT's original estimate, until hydraulic studies staff update the WMA

WMAs which have had 8 or more SSRs deplete them

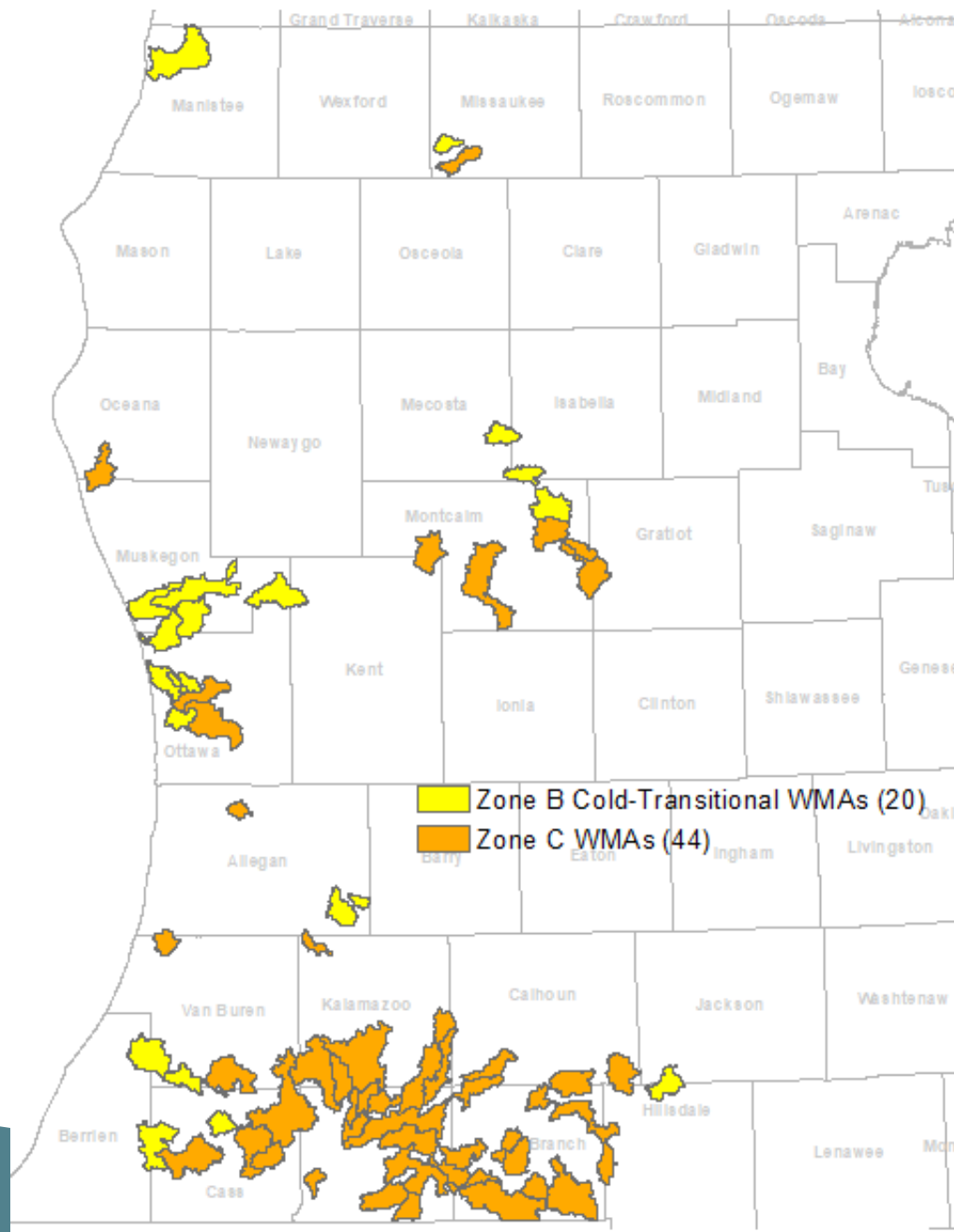


Table of WMAs which have had 8 or more SSRs requested that debit them

Name	WMA	County	Stream Type	Index Flow (gpm)	Allowable Depletions	Current WMA Status
	3377	Allegan/Kalamazoo	Cold stream	4,488	898	16
Butternut Creek	4209	Allegan/Van Buren	Warm stream	1,706	409	80
Gun River	9745	Allegan	Cold transitional small river	24,237	485	341
Lampson Run Drain	9937	Calhoun/Hillsdale	Cool stream	3,860	965	16
	10074	Manistee	Cold transitional stream	13,644	546	399
	10105	Allegan	Cool stream	898	224	17
Black Creek	10136	Muskegon	Cold transitional stream	6,553	262	30
Marks Creek	10705	Missaukee	Cool stream	1,840	460	28
	11107	Ottawa	Warm Stream	2,334	560	100
	12305	Oceana/Muskegon	Cool stream	4,443	1111	-111
Spring Creek	12591	Missaukee	Cold transitional stream	1,706	68	57
South Branch Kalamazoo River	12873	Jackson/Hillsdale	Cold transitional stream	19,300	772	259
Black Creek	15089	Muskegon	Cold transitional stream	17,056	682	649
Pigeon River	15183	Ottawa	Warm stream	2,693	646	529
Pigeon River	15367	Ottawa	Cold transitional stream	8,528	341	182
	15556	Montcalm/Kent	Cool stream	3,725	931	157
Norris Creek	15879	Muskegon/Ottawa	Cold transitional stream	6,732	269	117
Osborn Drain	19606	Van Buren/Cass	Cold transitional stream	1,571	63	-102
Spencer Drain	19618	Calhoun/Branch	Warm stream	2,603	625	141
	19671	St. Joseph/Kalamazoo	Warm stream	1,885	452	1
	19723	St. Joseph	Warm stream	3,321	797	105
Dowagiac Creek	19736	Cass	Cold transitional stream	16,158	646	185
Swan Creek	19923	Calhoun	Warm stream	8,079	1939	576
Swan Creek	19926	Branch	Warm stream	2,065	495	32
Christiana Creek	19936	Cass	Cool stream	8,752	2188	1
	19937	Branch	Warm stream	718	172	5
	20009	Branch	Warm stream	3,501	840	18
Nye Drain	20152	St. Joseph	Warm stream	2,738	657	90
Hog Creek	20711	Branch/Hillsdale	Warm small river	8,079	1373	3
Portage River	20720	St. Joseph	Warm small river	34,111	5798	640
Little Swan Creek	20762	St. Joseph/Branch	Warm stream	2,334	560	15
Prairie River	20781	Branch	Warm stream	8,528	2047	-339

Allowable depletions were calculated by multiplying the index flow by the percent allowable depletion for the stream classification

Current WMA Status were calculated to include SSR depletions

Red text indicates Stream Type of Cold Transitional, Zone B

Table of WMAs which have had 8 or more SSRs requested that debit them

Name	WMA	County	Stream Type	Index Flow (gpm)	Allowable Depletions	Current WMA Status
Dowagiac River	20906	Berrien/Cass	Cold transitional small river	89,766	1795	655
North Branch Crockery Creek	21034	Kent/Muskegon/Ottawa	Cold transitional stream	3,743	150	133
Little Portage Creek	21048	St. Joseph/Kalamazoo	Warm stream	4,264	1023	-260
Flowerfield Creek	21091	Kalamazoo/Van Buren/ St. Joseph	Cool stream	7,181	1795	101
	21097	Montcalm/Gratiot	Warm stream	3,456	829	109
	21198	Ottawa	Cold transitional stream	3,725	149	1
Wolf Creek	21280	Montcalm	Cold transitional stream	4,937	197	1
Bear Creek	21337	St. Joseph/Kalamazoo	Warm stream	3,860	926	397
Carpenter Creek	21393	Montcalm/Gratiot	Cool stream	1,840	460	135
Pokagon Creek	21449	Cass	Cold stream	6,732	1683	5
Tekonsha Creek	21501	Calhoun/Branch	Cool stream	3,366	842	50
Pine River	21508	Mecosta/Isabella	Cold transitional stream	2,244	90	6
Dickerson Creek	21550	Montcalm	Cool stream	10,323	2581	207
	21710	Branch	Warm stream	1,032	248	7
	21759	Van Buren/Cass	Cool stream	8,079	2020	425
Prairie River	21773	St. Joseph	Cool small river	24,237	6059	88
Norris Creek	21785	Muskegon/Ottawa	Cold transitional stream	3,815	153	27
	21810	Ottawa	Cold transitional stream	898	36	-125
Sherman Mill Creek	21913	St. Joseph	Warm stream	8,528	2047	297
Spring Creek	21975	St. Joseph	Warm stream	4,937	1185	4
	22020	Kalamazoo/St. Joseph	Warm stream	16,158	3878	4
Black Run	22067	St. Joseph	Cool stream	1,930	482	0
Fish Creek	22136	Montcalm	Cold stream	3,546	709	120
	22224	Ottawa	Cold transitional stream	898	36	-11
Rocky River	22260	Cass/Van Buren/St. Joseph	Cool stream	17,504	4376	698
Skunk Creek	22288	Mecosta/Isabella/ Montcalm	Cold transitional stream	2,513	101	-79
Mill Creek	22357	Van Buren/Berrien	Cold transitional stream	7,630	305	111
Swan Creek	22426	Branch	Warm stream	808	194	12
Spring Creek	22540	Kalamazoo/St. Joseph	Warm stream	2,469	592	4
Bass River	22726	Ottawa	Warm stream	3,950	948	-120
Nottawa Creek	23057	Calhoun	Cool small river	19,749	4937	971
	990073	Cass	Cool stream	2,558	640	108

Allowable depletions were calculated by multiplying the index flow by the percent allowable depletion for the stream classification

Current WMA Status were calculated to include pending SSR depletions

Red text indicates Stream Type of Cold Transitional, Zone B

Questions?

Jim Milne
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Co-Chair Bryan Burroughs

Agenda Items 9-13



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9. EGLE Program Updates

Jim Milne

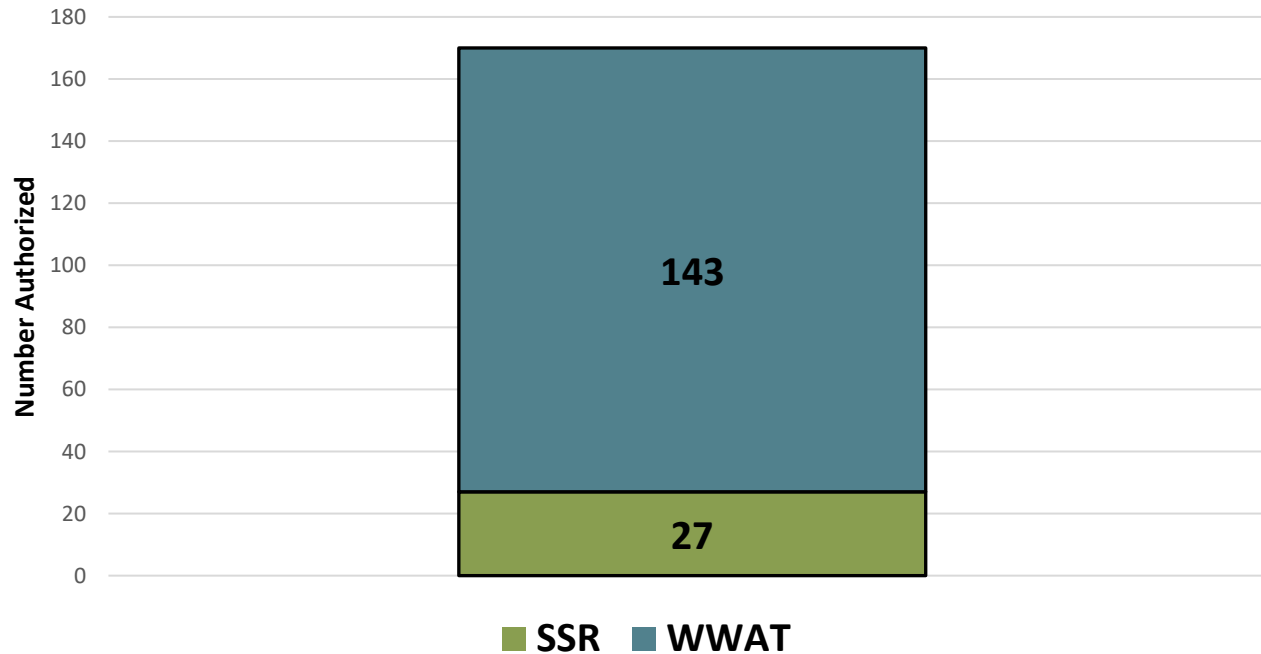
Outline

- WUAU Personnel Update
- Water Use Program Metrics for Program Year 12
- Cumulative Statistics Program Years 1-12
- Joyce Foundation RFP

WUAU Personnel Update

- 2 Geologist 9-11 (SSR) vacancies
- 1 Geologist 12 (modeler) vacancy
- Hiring freeze

LQWs Authorized During Program Year 12: WWAT vs SSR



July 9 – October 30, 2020

Program Year 12 Timeliness

Average Number of Business Days
from Receipt of SSR Request:

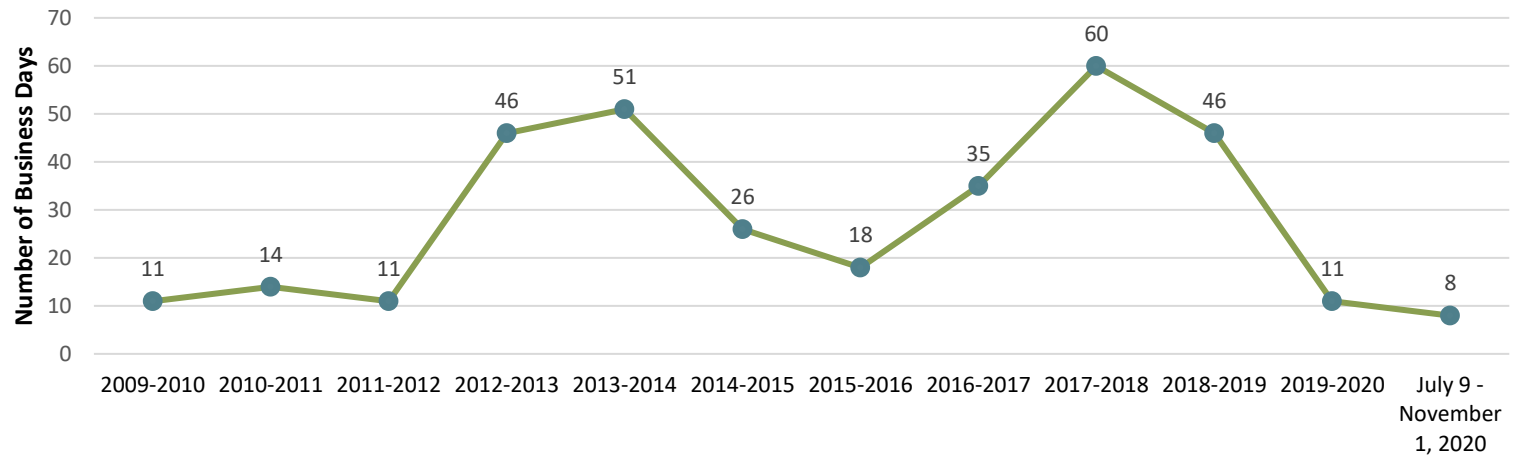
7.9 Days

Percentage of SSRs completed
within 10 Business Days:

77%

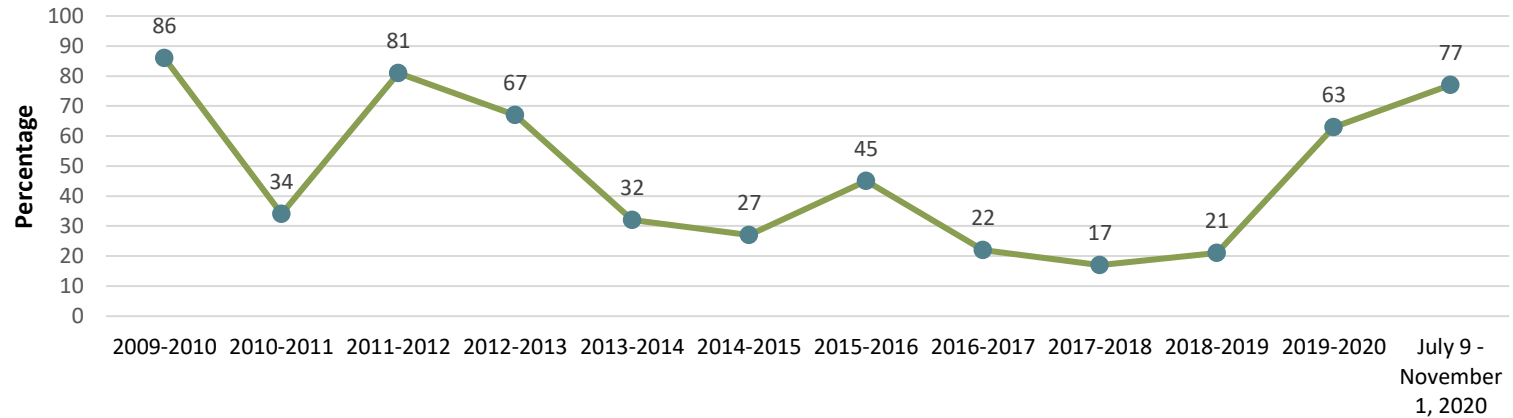
Statutory Deadline: 10 Business Days

Average Number of Business Days from Receipt of SSR Request



Program Year July 9 - July 8

Pctent of SSRs Completed Within 10 Business Days



Program Year July 9 - July 8

Year 12 Compliance Metrics

Compliance Communications:

Amended registrations 214

After the fact registrations 58

Missing pump information 69

First Violation Notices 8

Second Violation Notices 0

Violations Closed 0

Complaints Received 1

Public Water Supply Pre-Screening Reviews

From July 9, 2020 through October 31, 2020:

- Passed: 9 Pre-screening requests
- Denied: 1 Pre-screening requests
- Retracted: 2 Pre-screening requests

Joyce Foundation RFP

- Assess state & tribal groundwater policies in IL, IN, MI, MN, OH, & WI
- Informational webinar on November 13
- [\(The link provided was broken and has been removed\)](#)
- RFP responses due 12/15/2020

Questions?

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10. Water Conservation Committee

Emily Finnell and Kelly Turner

11. Next Meetings

- December 15, 2020
- 2021 Schedule

12. Open Comments

13. Motion to Adjourn
